

FECN19 CWIS 291800

THIRTY-DAY ICE OUTLOOK FOR THE GREAT LAKES ISSUED BY ENVIRONMENT CANADA ON  
29 DECEMBER 2023 FOR JANUARY 2024.

THE NEXT SCHEDULED BULLETIN WILL BE ISSUED ON 15 JANUARY 2024.

### **Lake Superior**

Above average air temperatures were experienced during December over Lake Superior. Temperatures are forecast to be above normal for January.

#### **Thunder Bay.**

January 1-7:

- Open water.

January 8-14:

- Open water except 1-3 tenths new and thin lake ice along the shores.

January 15-21:

- 4-6 tenths new and thin lake ice.

January 22-26:

- 7-8 tenths thin lake ice except 9-9+ tenths consolidated thin ice along the shore in the extreme northeastern section.

January 27-31:

- 9 tenths thin lake ice except 9-9+ tenths consolidated thin ice along parts of the shore.

#### **Nipigon and Black Bays.**

January 1-5:

- 1-3 tenths new and thin lake ice except 9-9+ tenths thin lake ice in northeastern Black Bay.

January 6-13:

- 4-6 tenths new and thin lake ice except 7-8 tenths new and thin lake ice in Black Bay.  
Consolidated thin lake ice in northern Black Bay.

January 14-21:

- 9-9+ tenths thin lake ice except consolidated thin lake ice in northern and eastern Black Bay.

January 22-27:

- 9+ tenths thin lake ice except consolidated medium lake ice in northeastern Black Bay and in western Nipigon Bay.

January 28-31:

- Consolidated thin lake ice except consolidated medium lake ice in Black Bay and in northwestern Nipigon Bay.

#### **From Grand Marais Minnesota to the entrance to Nipigon Bay.**

January 1-9:

- Open water.

January 10-15:

- Open water except 1-3 tenths new and thin lake ice along parts of the shore.

January 16-22:

- Open water except 1-3 tenths new and thin lake ice along parts of the shore and near Black Bay.

January 23-31:

- 1-3 tenths new lake ice except 4-6 tenths new and thin lake ice along the shore from Thunder Bay to Black Bay.

**From Grand Marais to Duluth.**

January 1-14:

- Open water

January 15-23:

- Open water except 1-3 tenths new lake ice near Duluth.

January 24-31:

- Open water except 7-8 tenths new lake ice near Duluth.

**Southern Lake Superior west of Keweenaw Peninsula.**

January 1-5:

- Open water.

January 6-12:

- Open water except 4-6 tenths new lake ice along parts of the shores in Chequamegon Bay.

January 13-17:

- 1-3 tenths new lake ice except 9-9+ tenths new lake ice along the shores in Chequamegon Bay.

January 18-23:

- 4-6 tenths new ice except 9-9+ tenths new and thin lake ice in Chequamegon Bay.

January 24-28:

- 7-8 tenths new and thin lake ice along the shore except 9+ thin lake ice in Chequamegon Bay.

January 29-31:

- 7-8 tenths thin lake ice near the shore except consolidated thin lake ice in Chequamegon Bay and along the Apostle islands.

**Southern Lake Superior east of the Keweenaw Peninsula.**

January 1-5:

- Open water.

January 6-16:

- Open water except 1-3 tenths new lake ice in a few sheltered bays.

January 17-22:

- Open water except 1-3 tenths new lake ice along parts of the shore. 7-8 tenths thin lake ice in sheltered bays.

January 23-27:

- Open water except 7-8 tenths thin lake ice along parts of the shore. 9+ tenths thin lake ice in sheltered bays.

January 28-31:

- Open water except 7-8 tenths thin lake ice along the shore. 9+ tenths thin lake ice in sheltered bays.

**Whitefish Bay.**

January 1-5:

- Open water.

January 6-11:

- Open water except 7-8 tenths new ice along parts of the shore.

January 12-17:

- Open water except 4-6 tenths new and thin lake ice along the shore. 9-9+ tenths thin lake ice along parts of the shore in the eastern section.

January 18-24:

- 1-3 tenths new lake ice except 9-9+ tenths thin lake ice along the shores and in Batchewana Bay.

January 25-31:

- 7-8 tenths new and thin lake ice except 9-9+ tenths thin lake ice along the shores. Consolidated thin lake ice in Batchewana Bay.

#### **From Whitefish Bay northwards to Michipicoten Bay.**

January 1-31:

- Open water.

#### **From Michipicoten Bay to the entrance to Nipigon Bay.**

January 1-19:

- Open water.

January 20-31:

- Open water except 1-3 tenths new lake ice along the shore near Nipigon Bay.

#### **Elsewhere in Lake Superior.**

January 1-31:

- Ice free to open water.

### **Lake Michigan**

Above average air temperatures were experienced during December over Lake Michigan. Temperatures are forecast to be above normal for January.

#### **Green Bay.**

January 1-5:

- Open water except 1-3 tenths new lake ice in the Bays de Noc.

January 6-10:

- Open water except 1-3 tenths new lake ice near Green Bay and 4-6 tenths new lake ice in the Bays de Noc.

January 11-17:

- Open water except 7-8 tenths new and thin lake ice in the southern section and in Bays de Noc.

January 18-25:

- 1-3 tenths new lake ice except 7-8 tenths new and thin lake ice in the southern section and in Bays de Noc. Consolidated thin lake ice in the northern section of Bays de Noc.

January 26-31:

- 7-8 tenths thin lake ice except 9+ tenths thin lake ice in the southern section and near Bays de Noc. Consolidated thin and medium lake ice near Green Bay and in the Bays de Noc.

#### **Northeastern Lake Michigan.**

January 1-6:

- Open water.

January 7-16:

- Open water except 1-3 tenths new lake ice along parts of the northern shore and near the Straits of Mackinac.

January 17-26:

- Open water except 7-8 tenths new and thin lake ice along the northern shore and near the Straits of Mackinac.

January 27-31:

- 1-3 tenths new lake ice except 9-9+ tenths thin lake ice along the northern shore and near the Straits of Mackinac. Consolidated thin lake ice along parts of the shore near the Straits of Mackinac.

### **Elsewhere in Lake Michigan.**

January 1-20:

- Ice free except open water along parts of the shore.

January 21-31:

- Open water except 4-6 tenths new lake ice along parts of the southern and western shores.

### **Lake Huron and Georgian Bay**

Above average air temperatures were experienced during December over Lake Huron and Georgian Bay. Temperatures are forecast to be above normal for January.

#### **North Channel.**

January 1-5:

- Open water except 1-3 tenths new lake ice in sheltered bays.

January 6-12:

- Open water except 4-6 tenths new lake ice along parts of the shore.

January 13-19:

- Open water except 7-8 tenths new and thin lake ice along parts of the shore.

January 20-25:

- 4-6 tenths new lake ice except 9-9+ tenths thin lake ice along the shore. Consolidated thin lake ice in sheltered bays.

January 26-31:

- 9-9+ tenths thin lake ice except consolidated thin lake ice along the shore.

#### **St Mary's River.**

January 1-4:

- Open water except 4-6 tenths new lake ice in sheltered bays.

January 5-10:

- 7-8 tenths new and thin lake ice except 9+ tenths thin lake ice along parts of the shore.

January 11-18:

- 9-9+ tenths thin lake ice except consolidated thin lake ice in sheltered bays.

January 19-25:

- Consolidated thin and medium lake ice.

January 26-31:

- Consolidated medium lake ice.

#### **South of Manitoulin Island westward to north-western Lake Huron.**

January 1-25:

- Open water.

January 26-31:

- Open water except 7-8 tenths new and thin lake ice in sheltered bays.

**North-western Lake Huron near the Straits of Mackinac.**

January 1-9:

- Open water.

January 10-15:

- Open water except 1-3 tenths new and thin lake ice along the northern shores.

January 16-23:

- Open water except 7-8 tenths new and thin lake ice along the northern shores and 1-3 tenths new lake ice along the southern shores.

January 24-31:

- 4-6 tenths new and thin lake ice except consolidated thin lake ice along parts of the north shore.

**From north-western Lake Huron to Saginaw Bay.**

January 1-10:

- Open water.

January 11-18:

- Open water except patches of 1-3 tenths new and thin lake ice along the shore south of Alpena.

January 19-25:

- 1-3 tenths new lake ice along the shore except 7-8 tenths thin lake ice along the shore south of Alpena.

January 26-31:

- 1-3 tenths new lake ice along the shore except 9-9+ tenths thin lake ice along the shore south of Alpena.

**Saginaw Bay.**

January 1-8:

- Open water except 1-3 tenths new lake ice along parts of the southern shore.

January 9-16:

- Open water except 4-6 tenths new lake ice in along the shore in the southern section.

January 17-22:

- 7-8 tenths new lake ice except 9-9+ tenths thin lake ice along parts of the shore.

January 23-28:

- 9-9+ tenths thin lake ice except consolidated thin lake ice along parts of the shore.

January 29-31:

- 9-9+ tenths thin and medium lake ice except consolidated medium lake ice along parts of the shore.

**The southern and eastern shore of Lake Huron.**

January 1-7:

- Open water.

January 8-13:

- Open water except occasional patches of 1-3 tenths new and thin lake ice along the eastern shore.

January 14-22:

- Open water except 4-6 tenths new in lake ice along parts of the eastern shore. 7-8 tenths thin lake ice along the Bruce Peninsula.

January 23-31:

- Open water except 7-8 tenths thin lake ice along parts the eastern shore. Consolidated thin lake ice along the Bruce Peninsula.

**Georgian Bay.**

January 1-3:

- Open water.

January 4-8:

- Open water except 4-6 tenths new lake ice along parts of the shore.

January 9-14:

- Open water except 7-8 tenths new and thin lake ice along parts of the northeastern shore.

January 15-23:

- Open water except 9-9+ tenths thin lake ice along the northeastern shore. Consolidated thin lake ice in sheltered bays.

January 24-31:

- Open water except 9-9+ tenths thin lake ice in the northeastern section. Consolidated thin lake ice along the northeastern shore.

**Elsewhere in Lake Huron.**

January 1-31:

- Open water to ice free.

**Lake Erie and Lake St. Clair**

Above average air temperatures were experienced during December over Lake Erie and Lake St. Clair. Temperatures are forecast to be above normal for January.

**Lake St Clair and the Western Basin.**

January 1-5:

- Ice free except open water along the shore and in Lake St. Clair.

January 5-9:

- Open water except 4-6 tenths new lake ice along parts of the shore in eastern Lake St. Clair.

January 10-17:

- Open water except 4-6 tenths new lake ice along parts of the shore. 7-8 tenths new lake ice in eastern Lake St. Clair.

January 18-24:

- Open water except 7-8 tenths new and thin lake ice along parts of the shore. 9-9+ tenths thin lake ice in eastern and southern Lake St. Clair.

January 25-31:

- 7-8 tenths new and thin lake ice except 9-9+ tenths thin lake ice in eastern Lake St Clair.

**The rest of Lake Erie.**

January 1-5:

- Ice free.

January 6-15:

- Open water except 4-6 tenths new lake along the eastern shore of Long Point and in Sandusky Bay.

January 16-24:

- Open water except 9-9+ tenths new lake ice along the eastern shore of Long Point. Consolidated thin lake ice in Sandusky Bay.

January 25-31:

- Open water except 7-8 tenths new and thin lake ice near the western basin and 9-9+ tenths thin lake ice along the eastern shore of Long Point. 4-6 tenths thin ice along parts of the shores. Consolidated thin and medium lake ice in Sandusky Bay.

## **Lake Ontario**

Above average air temperatures were experienced during December over Lake Ontario. Temperatures are forecast to be above normal for January.

### **Northeastern Lake Ontario.**

January 1-5:

- Ice free except open water along the shore.

January 6-11:

- Open water except 4-6 tenths new lake ice in sheltered bays.

January 12-20:

- Open water except 7-8 tenths new and thin lake ice in sheltered bays.

January 21-31:

- Open water except 9-9+ thin lake ice in sheltered bays.

### **Bay of Quinte.**

January 1-7:

- Open water except 1-3 tenths new lake ice in along parts of the shore.

January 8-13:

- Open water except 7-8 tenths new lake ice along parts of the shore.

January 14-19:

- Open water except 9-9+ tenths new lake ice along the shore.

January 20-25:

- 9-9+ new and thin lake ice.

January 26-31:

- 9-9+ tenths thin lake ice except consolidated medium lake ice in sheltered bays.

### **St Lawrence River.**

January 1-6:

- Open water except occasional patches of 1-3 tenths new and thin lake ice in isolated bays along shore.

January 7-12:

- Open water except 7-8 tenths thin lake ice in isolated bays along parts of the shore.

January 13-21:

- 1-3 tenths new and thin lake ice except 7-8 tenths thin lake ice in sheltered bays.

January 22-31:

- 4-6 tenths new and thin lake ice except 9-9+ thin lake ice in sheltered bays.

**Elsewhere in Lake Ontario.**

January 1-10:

- Ice free except open water along parts of the shore.

January 11-24:

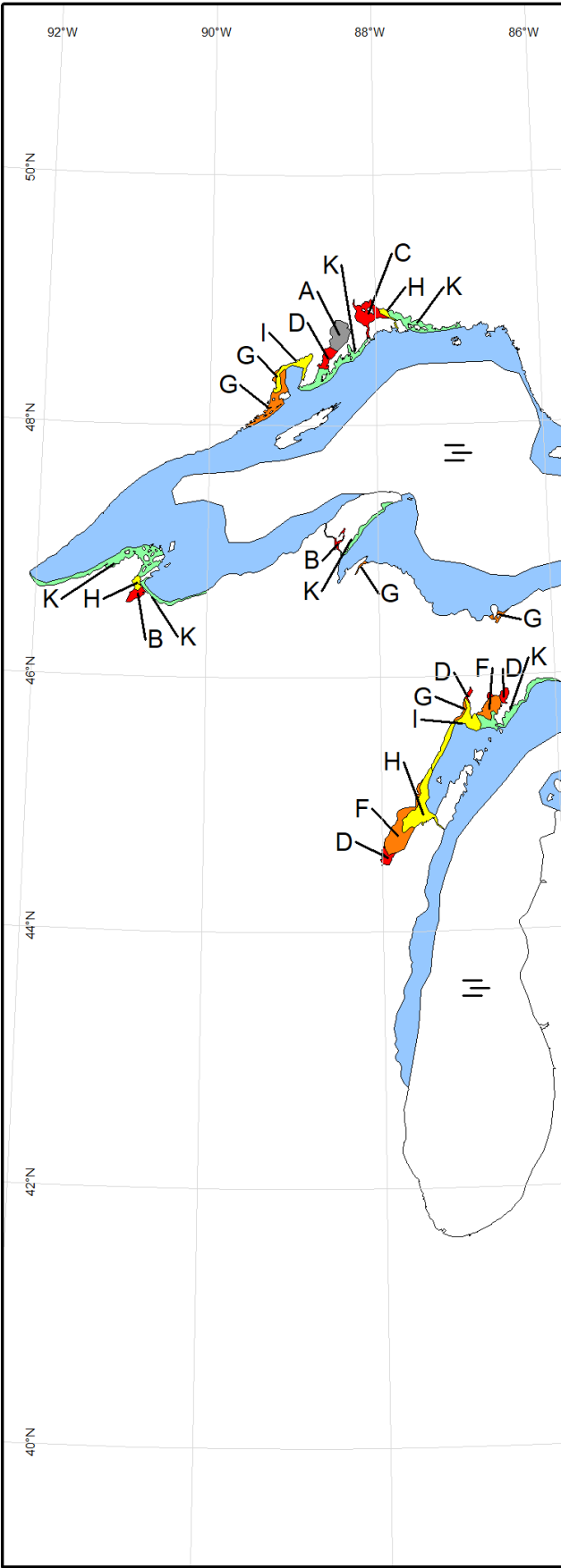
- Open water.

January 25-31:

- Open water except 1-3 tenths thin lake ice along parts of the shore east of Cobourg.  
Consolidated thin lake ice in sheltered bays east of Cobourg.

END














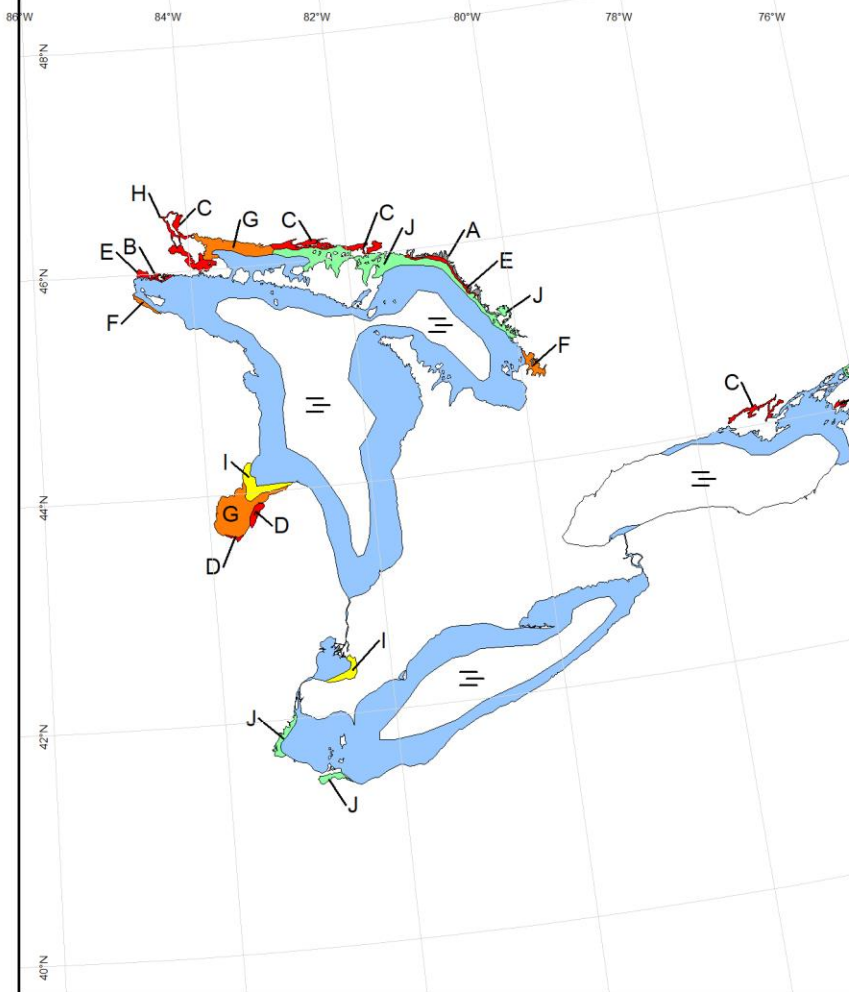
**ICE FORECAST - 15 DAY**  
**PREVISIONS DES GLACES - 15 JOURS**

**North American Ice Service /**  
**Service des glaces de l'Amerique du Nord**

**VALID/VALIDE: 15 JAN/JANV. 2024**

<b>A</b> 10 5 4 8	<b>B</b> 9+ 4	<b>C</b> 8-10 5 4
<b>D</b> 8-10 4	<b>E</b> 6-8 4	<b>F</b> 6-8 4 1
<b>G</b> 6-8 1	<b>H</b> 4-6 4 1	<b>I</b> 4-6 1
<b>J</b> 1-3 4 1	<b>K</b> 1-3 1	

COLOR	CODES	BASED ON	TOTAL	CONCENTRATION
	ICE FREE		4-6 TENTHS	 FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS	 ICE SHELF
	1-3 TENTHS		9-10 TENTHS	 UNDEFINED ICE



**ICE FORECAST - 15 DAY  
PREVISIONS DES GLACES - 15 JOURS**

**North American Ice Service /  
Service des glaces de l'Amérique du Nord**

**VALID/VALIDE: 15 JAN/JANV. 2024**

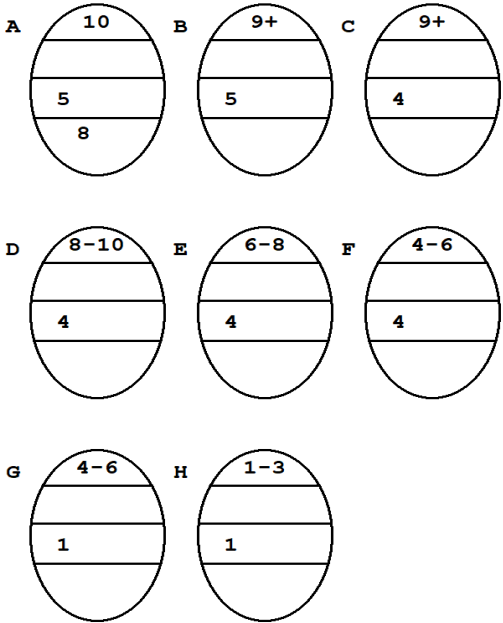
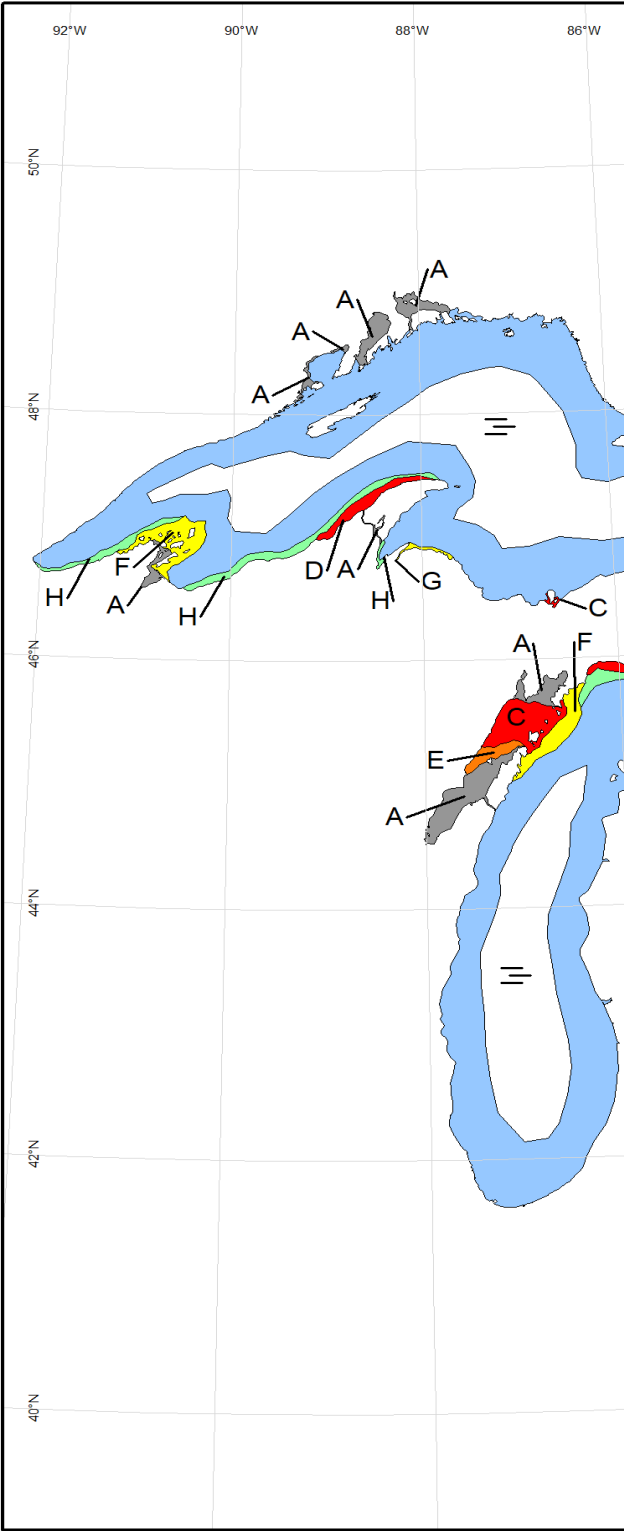
A	10 4 8	B	9+ 4	C	9+ 4 1
D	8-10 4	E	8-10 4 1	F	6-8 4
G	6-8 4 1	H	6-8 1	I	4-6 1
J	1-3 1				

COLOR CODES BASED ON TOTAL CONCENTRATION					
	ICE FREE		4-6 TENTHS		FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS		ICE SHELF
	1-3 TENTHS		9-10 TENTHS		UNDEFINED ICE

ICE FORECAST - 30 DAY  
PREVISIONS DES GLACES - 30 JOURS

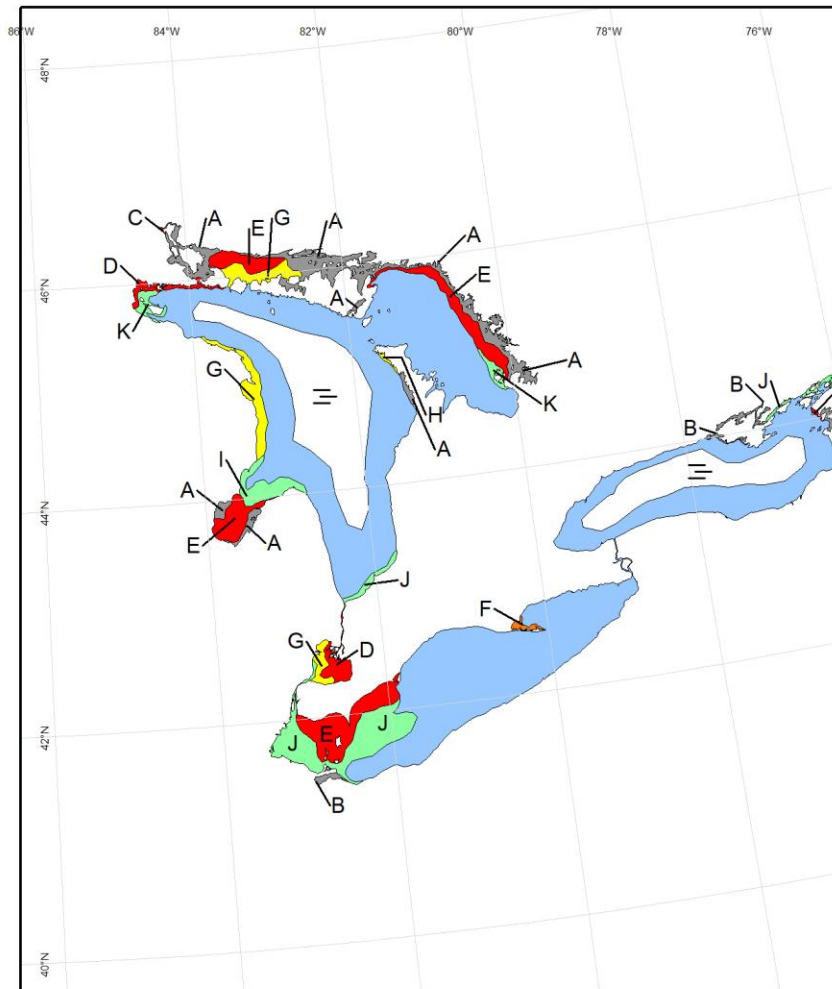
North American Ice Service /  
Service des glaces de l'Amerique du Nord

VALID/VALIDE: 31 JAN/JANV. 2024



COLOR CODES BASED ON TOTAL CONCENTRATION

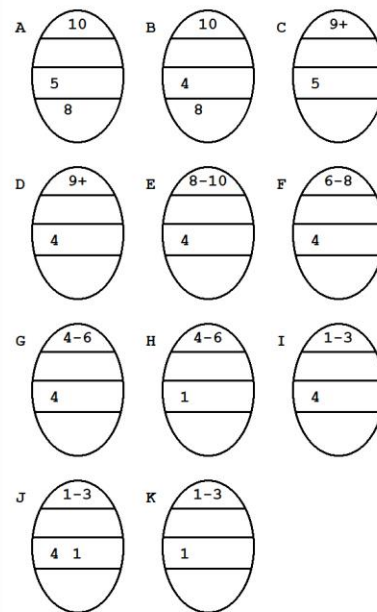
ICE FREE	4-6 TENTHS	FAST ICE (TEN TENTHS)
LESS THEN 1 TENTH	7-8 TENTHS	ICE SHELF
1-3 TENTHS	9-10 TENTHS	UNDEFINED ICE



# ICE FORECAST - 30 DAY PREVISIONS DES GLACES - 30 JOURS

North American Ice Service /  
Service des glaces de l'Amerique du Nord

VALID/VALIDE: 31 JAN/JANV. 2024



COLOR CODES BASED ON TOTAL CONCENTRATION					
	ICE FREE		4-6 TENTHS		FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS		ICE SHELF
	1-3 TENTHS		9-10 TENTHS		UNDEFINED ICE